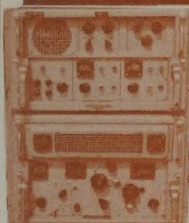


2-32 MHZ SSB RECEIVER



AN/WRR-2 TRIPLE CONVERSION SSB RECEIVER WITH FULL CARRIER SUPPRESSION FROM 2 TO 32 MHZ IN FOUR BANDS: (2-4) (4-8), (8-16), AND (16-32) MHZ. RECEIVES LSB, USB, AM, CW, AND MCW SIGNALS; LSB AND USB RECEPTION POSSIBLE SIMULTANEOUSLY OR SEPARATELY. INCREMENTAL OR CONTINUOUS DIGITAL TUNING IN 1 KHZ STEPS. INTERMEDIATE FREQUENCIES (IF): 1625-1725 KHZ, 220 KHZ, AND 80 KHZ. BUILT-IN 1 MHZ CRYSTAL CALIBRATOR. AF LINE OUTPUT: 60 MW INTO 600 OHMS (MIN.); PHONE OUTPUT: 15 MW INTO 600 OHMS (MAX.). RECOMMENDED ANTENNA TERMINAL IMPEDANCE: 50 OHMS. USES 7- AND 9-PIN 6.3 V. GLASS TUBES. POWER REQUIRED: 105-125 VAC 50/60 HZ (250 WATTS). SIZE: 25x22x24; SHPG. WT: 300 LBS. NET WT: 250 LBS. PRICE: USED, REPAIRABLE \$300. CHECKED, \$400.

AN/FRR-59A RECEIVER, SIMILAR TO WRR-2 EXCEPT TUNES IN 0.5 KHZ STEPS AND DESIGNED FOR RACK MOUNTING. USED, REP. \$375. CHKD., \$475.

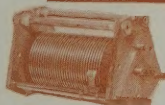
MANUAL FOR AN/WRR-2 OR AN/FRR-59A RECEIVER, SOLD WITH PURCHASE OF SET ONLY, \$20.00

32-36 VDC 4.8 AMPS

COMPUTER POWER SUPPLY; SOLID-STATE UNIT WITH A CONSERVATIVELY RATED OUTPUT OF 32-36 V. @ 4.8 AMPS. FROM AN INPUT OF 105-132 VAC 50-60 HZ. HAS A FRONT VOLTAGE ADJUST, RUNNING LIGHT, AND AC RESET. ALSO FEATURES ADJUSTABLE CURRENT LIMITING, ADJUSTABLE OVERVOLTAGE PROTECTION, AND A 5" COOLING FAN. CONVERSION INFO IS INCLUDED TO EXTEND VOLTAGE RANGE TO 12-36 V. RUGGED STEEL FRAME CONSTRUCTION; REMOVED FROM SERVICE AND IN GOOD CONDITION. SIZE: 9-5/8x6x19; SHPG. WT: 43 LBS. NET: 37 LBS. #32-36V-4.8, \$29.95

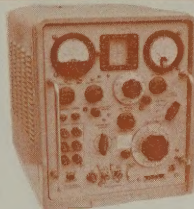


ROTARY INDUCTOR



ROTARY INDUCTANCE TUNER COIL THIRTY TURNS OF TINNED COPPER WIRE AROUND A 2" DIA. X 3" DIA. ISOLANTITE FORM; 23 U-HY 100 WATTS APPROX. 1/4" DIA. SHAFT FOR COUPLING. SIZE: 5x3x3 1/2; SHPG. WT: 3 LBS. #AC55471, \$10. CERAMIC FLEXIBLE COUPLINGS, USABLE W/TUNERS. #COUN006; 2x2 CROSS-TYPE, F/4" SHAFT, \$.59 #COUN007; 1-5/8" DIA. X 1/2, F/3/4" SHAFT, \$.39 #COUN008; 2-5/8" DIA. X 2, F/3/8 SHFT. \$.79

TS-510 SIGNAL GENERATOR



TS-510/USM-44 SIGNAL GENERATOR, 10 TO 420 MHZ AM, CW, AND PULSED CARRIER. INTERNAL MODULATION 400 OR 1000 HZ. EXTERNAL MOD; 100 HZ TO 20 KHZ. OUTPUT: 0.1 VOLT TO 0.5 VOLT INTO A 50 OHM LOAD. LARGE 3 1/2" ROUND METERS INDICATE PERCENT MODULATION AND OUTPUT VOLTS-DBM. SIMILAR TO HEWLETT-PACKARD 6080 EXCEPT WITH ONLY A 5 MHZ CRYSTAL CALIBRATOR. POWER REQUIRED: 115/230 VAC 50-1000 HZ. SIZE: 13 1/2x16x21; SHPG. WT: 80 LBS. PRICE: USED, REPAIRABLE \$325. CHECKED, \$400.

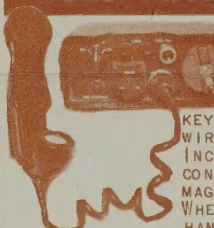
TS-510A/USM-44A SIGNAL GENERATOR, SAME AS ABOVE EXCEPT HAS 1 MHZ AND 5 MHZ CALIBRATOR. PRICE: USED, REPAIRABLE \$375. CHECKED, \$450

TRANSISTOR RADIOSONDE

TRANSISTORIZED RADIOSONDE WITH CLOCKWORK TIMING MECHANISM (NO KEY); USED IN METEOROLOGICAL OBSERVATION OR SIMILAR APPLICATIONS REQUIRING AN EXTREMELY LIGHT-WEIGHT TRANSMITTER. UTILIZES A 2-TRANSISTOR MODULATOR AND A 2-TRANSISTOR TRANSMITTER CIRCUIT. TRANSMITTER HAS A 7533 INTEGRAL CAVITY TUBE WHICH FUNCTIONS AS THE TUNED CIRCUIT FOR THE OUTPUT: 1660-1700 MHZ, 575 MW (NO FURTHER DATA). WITH HUMIDITY ELEMENT. TRANSMITTER SIZE: 2 1/2" DIA. X 6"; OVERALL SIZE: 7 1/4x4x5 1/2. SHPG. WT: 4 LBS. FRIEZ #3002, UNUSED, \$9.95



FIELD PHONE-CONTROL SET



C-2172/GRC-14 FIELD REMOTE CONTROL SET; DESIGNED FOR USE WITH AN/GRC-14 RADIO GROUP IN AM, PHONE, AND CW KEYING OPERATIONS OVER A TWO-WIRE 600 OHM TELEPHONE LINE. INCLUDES 20 HZ RINGER SYSTEM CONSISTING OF A HAND-CRANK MAGNETO GENERATOR AND BELL. WHEN USED WITH A H-33/PT HANDSET, THE CONTROL UNIT IS FUNCTIONALLY A FIELD TELEPHONE. TERMINALS PROVIDED FOR PHONES, MIC, AND KEY. SWITCHES FOR SERVICE (CW, AM, AND TEL); FSK CONTROL; AND SIGNAL (BELL OR CALL LIGHT). SOLD WITH H-33/PT HANDSET. POWER REQUIRED: TWO "D" CELL AND ONE 45 VDC BATTERY (NOT AVAILABLE). SIZE: 3 1/2x9-3/8x7-1/8; SHPG. WT: 13 LBS. PRICE: UNUSED, WITH USED H-33/PT, \$19.95

COMPUTER FOUNDATION



DISPLAY CIRCUIT BOARD WITH EIGHT 3/8" 7-SEGMENT LED READ-OUTS, EIGHT RED LED'S, 15 DARLINGTONS, 8 PNP TRANSISTORS 3/C4003 SHIFT REGISTERS, PLUS OTHER COMPONENTS, BLOCK DIAGRAM. 10x3 1/2, #ECR7700, \$16.00

COMMUNICATIONS CIRCUIT BOARD, CONTAINS MODEM CARD WITH 7/1458 OP AMPS (NO SCHEMATIC). MAIN BOARD HAS TMS-6011 UART, INPUT SHIFT REGISTERS, AND GATES (TEN 10's). ALSO INPUT TRANSFORMERS FOR MODEMS, SELECT WIRING FOR 4- OR 2-LINE INPUT, AND LEVELS 0 DBM, -3 DBM, -6 DBM, OR -9 DBM. MODEM INFO, BLOCK DIAGRAM. #ECR9600, \$19.95



IMPRINTER LOGIC BOARD, THREE 200 VOLT 4 AMP TRIACS DRIVEN BY CONTACTS OF THREE 12 VDC REED RELAYS. ALSO HAS 2/4003 SHIFT REGISTERS, EIGHT DARLINGTONS, EIGHT PNP'S, 3/9002, AND A 4049 HEX BUFFER/CONVERTER. W/BLOCK DIAGRAM. 10x4, #ECR9060, \$9.95

CONTROL CIRCUIT BOARD WITH C4004 4-BIT MICROPROCESSOR, 2/4003 SHIFT REGISTERS, 3/4002 RAM'S, AND 8/4001 ROM'S. ALSO A 4.704 MHZ CRYSTAL, FIVE OTHER IC'S FOR CLOCK AND GATING, 12 IC SOCKETS, BLOC DIAGRAM 10x5, 3 LBS. #ECR9620, \$27.95

MICROCOMPUTER POWER SUPPLY, USES TWO 3-TERMINAL REGULATORS AND A 723 WITH TIP3055 TRANSISTOR. INPUT: 115 VAC 60 HZ; OUTPUT: -25 VDC 180 MA; -5 VDC 800 MA, -15 VDC 1.25 AMPS. WITH SCHEMATIC. SIZE: 3 1/2x5 1/2x4; SHPG. WT: 10 LBS. #ECRPS-744, \$15.00



CREDIT CARD SCANNER, USES AN OPTICAL SYSTEM TO READ THE RAISED NUMBERS OF A CREDIT CARD INTO IN PHOTO ARRAY. HAS SMALL AC MOTOR TO DRIVE CARD THROUGH THE READER. ALSO LIGHT AND PLASTIC OPTICS, TWO ROCKWELL IC'S 10561 AND 15120. WITH DIAGRAM OF CONNECTOR WIRING. 5x5x4, #ECR2020, \$8.95.

20-KEY KEYBOARD, 5/8" SQUARE BUSINESS KEYS WITH CHARACTERS: 0 THRU 9, CLR, RST, CRED, CASH, IMP, SEND, RET, CODE, \$, AND ACCT. TWO BUSES: ONE FOR NUMBERS; THE OTHER FOR INSTRUCTIONS. SIZE: 4x4 1/2, WT: 2 LBS. #ECR4835, \$3.95

***** ECR COMPONENT PACKAGE DEAL ***** THE ABOVE SEVEN ITEMS WITH AN ECR-PREFIX WERE ORIGINALLY COMPONENTS OF AN ELECTRONIC CARD READER SYSTEM. THEY MAY BE PURCHASED INDIVIDUALLY AS MARKED OR TOGETHER AS A PACKAGE FOR \$79.50.

Fair Radio Sales Co.

1016 E. EUREKA ST.

P. O. BOX 1105

Lima, Ohio 45802

PHONE: 419/227-6573

RETURN POSTAGE
GUARANTEED

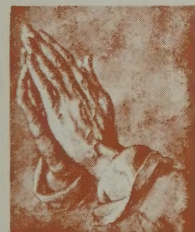
Bulk Rate
U. S. POSTAGE
PAID
Lima, Ohio
Permit No. 74

FALL-WINTER SPECIAL



OPERATIONS CABINET AND DESK; HAS A LOT OF FUNCTIONAL POSSIBILITIES ASIDE FROM ITS ORIGINAL USAGE AS A COMPUTER TERMINAL. WITH THE REMOVAL OF A SLIDING GLASS DOOR, THE UPPER CABINET (19x14x13) WILL ACCOMMODATE RACKMOUNT RADIO OR TEST EQUIPMENT. THE LOWER STORAGE AREA (30x20x14) COULD HOUSE POWER SUPPLIES OR SOMETHING SIMILAR. OR, THE 31x15 FORMICA COUNTER COULD SERVE AS A COMPACT WRITING OR TYPING DESK WITH HANDY STORAGE NICHES CREATED BY INSTALLING SHELVING IN THE CABINET SPACE. THE UNIT MIGHT ALSO BE ADAPTED TO LANGUAGE LAB APPLICATIONS. DURABLE OFFICE FURNITURE STEEL CONSTRUCTION; BROWN AND BEIGE COLOR COORDINATED. OVERALL SIZE: 31x43x19; SHPG. WT: 175 LBS NET WT: 140 LBS. PRICE REDUCED!! Used, \$16.95

PRICES ARE F.O.B. LIMA
COD'S REQUIRE 25% DEPOSIT
WE ACCEPT MASTERCARD
BANK AMERICARD (VISA)



GOD IS JUST
A PRAYER AWAY



ME-9 MULTIMETER



ME-9/TS-352 MULTIMETER, PORTABLE GENERAL PURPOSE VOM. 1000 OHMS/VOLT AC-DC SENSITIVITY OR 20,000 OHMS/V. SENS. DC ONLY. MEASURES AC-DC VOLTS FROM 2.5 TO 1000 V. IN SIX RANGES. DC AMPS FROM 250 U-AMPS TO 10 AMPS IN EIGHT SCALES; OHMS FROM $\times 1$ TO $\times 10K$. WITH 4" METER (FS=50 UA); JACK FOR 5000 VDC @ 20,000 OHMS/V.;

AND TEST LEADS. REQUIRES THREE 4 $\frac{1}{2}$ VDC AND ONE $\frac{1}{2}$ VDC BATTERIES (NOT AVAILABLE). SIZE: 11 $\frac{1}{2}$ x 8 $\frac{1}{2}$ x 6; SHPG. WT: 7 LBS. USED. PRICE: REPARABLE, \$29.95; CHECKED, \$39.95

TS-375/U VACUUM TUBE VOLTMETER,

AC VOLTS RANGES FROM 1.2 TO 120 VAC IN SIX STEPS; DC VOLTS FROM 1.2 TO 300 VDC. FREQUENCY RESPONSE FROM PANEL TERMINALS: 40 Hz TO 50 KHz; OR 10 KHz TO 150 MHz USING PROBES. WITH BOTH AC AND DC PROBES. POWER REQUIRED: 115 VAC 60 Hz. SIZE: 10 x 10 x 6 $\frac{1}{2}$; SHPG. WT: 23 LBS. USED.

PRICE: REPARABLE, \$18.95; CHECKED, \$34.95



WESTON METERS



WESTON MODEL 901 PORTABLE PRECISION METER; READS 150-0-150 MICROAMPS DC ON A WIDE, MIRROR-SCALED SCALE. DESIGN ACCURACY: 0.25% SIZE: 7 $\frac{1}{2}$ x 7 $\frac{1}{2}$ x 3 $\frac{1}{2}$; SHPG. WT: 8 LBS. USED, \$30.00

WESTON MODEL 1941T PANEL METERS TAUT-BAND TYPE FEATURES HIGH DESIGNED ACCURACY (2%) AND SENSITIVITY. 4 $\frac{1}{2}$ x 4" FRONT; FITS INTO 2 $\frac{1}{2}$ " ROUND HOLE. REMOVED FROM EQUIPMENT; GOOD CONDITION.

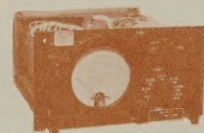


0-75 VOLTS DC, WITH MIRROR-SCALED, \$14.95
0-150 VOLTS DC, \$12.95
0-5 AMPS DC, NOT TAUT-BAND, L/SUNT, \$10.95
0-30 AMPS DC, WITH MATCHED SHUNT, \$14.95

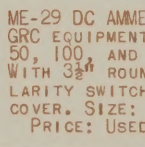
BEZEL, TYPE 1909 USED WITH 1941-SERIES PANEL METERS. $\frac{1}{2}$ " BLACK, BEVELED BORDER; 5x2 $\frac{1}{2}$ " DISPLAY AREA. BEHIND-THE-PANEL MOUNT, \$1.00 EA.



RCA WV-120A POWER-LINE MONITOR INDICATES AC (RMS) LINE VOLTAGE ON A SCALE FROM 100 TO 140 VAC, 25-400 Hz. UNIT PLUGS IN TO STANDARD AC OUTLET; WITH AC OUTLET. SIZE: 5x4x3 $\frac{1}{2}$; SHPG. WT: 4 LBS. USED, CHKD., \$14.95



AIRCRAFT MULTIMETER, WITH SCALES 1 TO 1000 VDC; 1 TO 1000 VAC; 1 TO 1000 MA DC; AND 1 TO 1 MEGOHM. HAS 4" ROUND METER. FS 1 MA. WITH 2/6111 TWIN TRIODE TUBES REQUIRING 100 V. (165 V. MAX.) PLATE VOLTAGE. UNIT REQUIRES EXTERNAL POWER SUPPLY; NO COVERS. SIZE: 9 $\frac{1}{2}$ x 5 x 10, 15 LBS. USED, \$19.95



ME-29 DC AMMETER, USED IN TESTING GRC EQUIPMENT. RANGES: 1, 5, 10, 50, 100, AND 500 MILLIAMPS DC. WITH 3 $\frac{1}{2}$ " ROUND METER, REVERSE POLARITY SWITCH, PATCH CORD, AND COVER. SIZE: 7 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x 5; WT: 7 LBS. PRICE: USED, CHECKED, \$15.95



RF MONITOR



ID-642/FSA RADIO FREQUENCY MONITOR, USES DIRECTIONAL COUPLER WITH IN-21B DIODE TO MONITOR RF

VOLTAGE LEVEL. DC VOLTAGE IS AMPLIFIED TO TRIGGER A 24 VDC RELAY (6.5 MA 4PST) OVER A POWER SCALE OF 25-200. UNIT WAS PROBABLY CALIBRATED INTO A STANDARD LOAD. REQUIRES HN CONNECTORS. WITH TUBES: 2/0A2, 5751, 5670 6X4, AND TJ791K01 CURRENT REGULATOR. POWER REQUIRED: 115 VAC 60 Hz. SIZE: 11x19x10 $\frac{1}{2}$; SHPG. WT: 20 LBS. UNUSED, w/SCHEMATIC, \$12.95

OS-8 OSCILLOSCOPE

OS-8/U OSCILLOSCOPE WITH 3RPI CRT

HIGHLY PORTABLE UNIT HAS DC TO 2 MHz VERTICAL RESPONSE; DC TO 500 KHz HORIZONTAL. VERTICAL AND HORIZONTAL SENSITIVITY: 0.075 V-RMS FOR 1" DEFLECTION. SWEEP RANGE: 3 TO 50 KHz. INPUT IMPEDANCE: 9 MEGOHMS SHUNTED BY 11 MMF (DC). DIRECT ACCESS TO VERTICAL AND HORIZONTAL PLATES. POWER REQUIRED: 115 VAC 50-1000 Hz. SIZE: 9x6x13 $\frac{1}{2}$; SH WT: 20 LBS PRICE: USED, REPARABLE, \$49.50; CHKD. \$69.50



I.C. SOCKETS

I.C. THREE LEVEL WIRE-WRAP SOCKETS

14 PIN WIRE WRAP	35¢ EA.	6/\$2.00
16 PIN WIRE WRAP	40¢ EA.	6/\$2.00
14 PIN P.C.	25¢ EA.	5/\$1.00
16 PIN P.C.	28¢ EA.	5/\$1.00

OUTPUT POWER METER

GENERAL RADIO 583-A OUTPUT POWER METER, READS DIRECTLY THE AUDIO FREQUENCY POWER OF A SOURCE INTO ANY LOAD. POWER RANGE: 0.1 TO 5000 MILLIWATTS, FOUR RANGES READ ON 3 $\frac{1}{2}$ " METER. DB READ FROM -10 TO -37 DB ABOVE ONE MILLIWATT. IMPEDANCE RANGE: 2.5 TO 20K OHMS. MOUNTED IN WALNUT CABINET. SIZE: 10x7x6; SHPG. WT: 13 LBS. USED, REPARABLE, \$125.



TS-117/6P WAVEMETER



TS-117/GP WAVEMETER TEST SET DESIGNED FOR FREQUENCY MEASUREMENTS BETWEEN 2400 AND 3400 MHz. USED TO MEASURE MICROWAVE ANTENNA RADIATION, LOCAL OSCILLATOR FREQUENCIES, RELATIVE FIELD STRENGTH, AND RELATIVE OUTPUT. UNIT HAS A Q FROM 1800 TO 2000. INCLUDES 0-50 U-AMP CRYSTAL CURRENT METER, SENSITIVITY VERNIER, AND FREQUENCY MICROMETER WITH CONVERSION TABLE. WITH ACCESSORIES AS-23 DIRECTIVE ANTENNA, UG-183 CABLE, UG-57 AND UG-131 ADAPTERS AND TRANSIT CASE. USES TYPE N CONNECTORS. SIZE: 5x6x3, SHPG. WT: 15 LBS. USED, COMPLETE, \$34.95; LESS ACCESS., \$24.95

JERROLD GENERATORS

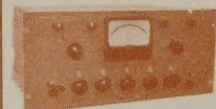


JERROLD 900B SWEEP GENERATOR, 0.5 TO 1200 MHz IN TWO BANDS; 0.5 TO 400 MHz SWEEP WIDTH. BUILT-IN METER, MARKERS, AND D-50 DETECTOR. RACKMOUNT. USED, REP., \$150

JERROLD 602 SWEEP GENERATOR, 4-112 MHz; \$50.

JERROLD CM-6 CRYSTAL MARKER GENERATOR, SIX CRYSTALS BETWEEN 2 AND 100 MHz; NO CHOICE; PORTABLE. USED, REPARABLE, \$34.95

JERROLD CM-10 CRYSTAL MARKER GENERATOR, TEN CRYSTALS FROM 100 KHz TO 100 MHz; NO CHOICE. AC-DC MARKS; RACKMOUNT. USED, REPARABLE, \$60.



FLUKE 803R DC-AC DIFFERENTIAL VOLTMETER, MEASURE 0-500 VOLTS DC OR AC. DECADE-TYPE NULL RANGE SELECTOR: 10, 1, .1, OR .01 DC-AC. CONVERTER FREQ.: 30-50 Hz. 115 VAC 60 Hz. USED, REP., \$50.00

BALLENTINE 310A VACUUM TUBE VOLTMETER; MEASURES AC VOLTS FROM 100 U-V. TO 1000 V. FREQ. RESPONSE: 10 Hz TO 2 MHz. SIZE: 6 $\frac{1}{2}$ x 10 $\frac{1}{2}$ x 5 $\frac{1}{2}$; SHPG. WT: 15 LBS. USED, REPARABLE, \$40.00; CHECKED, \$50.

BALLENTINE 300 VTVM; 1 MV TO 1000 VAC; FREQ.: 10 Hz TO 15 KHz. USED, REPARABLE, \$25.00; CHECKED, \$39.50



60V.T. TEST EQUIPMENT

MILITARY TEST EQUIPMENT; ALL USED, CHECKED UNLESS "REP" (REPARABLE) IS INDICATED. ACCESSORIES EXTRA. WRITE FOR MORE INFO.

OS-62/USM-50 OSCILLOSCOPE, 3ADPI CRT,	\$100.
FR-6 FREQUENCY METER, 100-500 MHz,	110.
FR-38 " " PLUG-IN TYPE,	175.
LM-21 " " 0.125-20 MHz, REP,	25.
BC-221 " " 125-20,000 KHz,	70.
TS-323 " " 20-480 MHz,	65.
AN/URM-32 " " 125 KHz-1000 MHz,	95.
AN/TRM-1 SIG. GENERATOR, .19-400 MHz,	260.
TS-382F " " 20 Hz-20 KHz,	75.
TS-419 " " 900-2100 MHz, REP	125.
TS-403 " " 1.8-4.2 GHz, REP,	150.
AN/TRM-3 SWEEP GENERATOR, AM-FM,	375.
CG-92 SWEEP GENERATOR, .05-1000 MHz, REP,	60.
SG-376A SSB SIGNAL GENERATOR,	225.
ME-71C AUDIO LEVEL METER, 20-500 KHz, REP	50.
TV-2 TUBE TESTER, FULLY METERED,	95.
TV-3 TUBE TESTER, REP, \$45. CHECKED, \$60.00	
TV-7 TUBE TESTER, REP, \$29.95; CHKD., \$39.95	

COMMERCIAL TEST EQUIP

COMMERCIAL TEST EQUIPMENT; USED, REPARABLE CONDITION. IF NOT SATISFIED, EQUIPMENT MAY BE RETURNED WITHIN 10 DAYS OF RECEIPT AND THE PURCHASE PRICE WILL BE REFUNDED.

BOONTON (H-P) 170A Q METER, 80-1200 Q,	\$75.
BOONTON (H-P) 202-J TELEMETRY SIGNAL GENERATOR, 195-270 MHz FM-AM,	\$500.
BOONTON (H-P) 207E UNIVERTER F/ 202B Sig. GENERATOR, ADDS 100 KHz-50 MHz RANGE,	\$65.
BOONTON (H-P) 207H UNIVERTER F/202H, -J,	125.
BOONTON (H-P) 240-A SWEEP GEN. AM-FM,	\$250.
BOONTON (H-P) 275A TRANSISTOR TESTER,	\$195.
GENERAL RADIO 546-C MICROVOLTER,	\$60.
GENERAL RADIO 1304-B BEAT-FREQ. AUDIO,	\$125.
GENERAL RADIO 1932-A DISTORTION ANALYZER	165.
H-P 330BR DISTORTION ANALYZER,	\$175.
H-P 400C AC VTVM, .001 TO 300 VAC,	\$35.
H-P 400LR AC VTVM, LOGARITHMIC SCALE,	\$100.
H-P 434A CALORIMETRIC POWER METER,	\$165.
H-P 450A WIDE BAND AMPLIFIER,	\$30.
H-P 500BR FREQUENCY METER, 3 Hz-100 KHz,	\$60.
H-P (DYMEC) 2210 VOLTS-TO-FREQ. CONVERT,	\$35.
LUMATRON 120 SAMPLING SCOPE w/MANUAL,	\$295.
MARCONI TF-791D FM DEVIATION METER, COVERS 4-1024 MHz; DEVIATION SCALES ± 5 , ± 25 , ± 75 , AND ± 125 KHz. WITH MANUAL,	\$595.
NEW LONDON 252 AM MODULATION METER,	\$75.
TEKTRONIX 107 SQUARE WAVE GENERATOR,	\$35.

SUGAR READER



CALBIOCHEM MR340 GLUCOSE MINI-READER; A SMALL FIXED-WAVELENGTH (340 NM) ULTRAVIOLET PHOTOMETER DESIGNED TO MEASURE GLUCOSE LEVELS IN BODY FLUIDS. USE OF THE INSTRUMENT INVOLVES THE PLAC-

ING OF A SAMPLE SOLUTION IN A SPECIAL CUVET (NOT AVAILABLE) BETWEEN THE KNOWN LIGHT SOURCE AND A PHOTORESISTIVE CELL. A REDUCTION REACTION OF NADP TO NADPH BROUGHT ABOUT BY A STANDARD SET OF ENZYMES ESTABLISHES THE SUGAR CONCENTRATION BY THE VARIANCE OF THE RESISTANCE IN THE ELECTRICAL CIRCUIT. THESE DIFFERENCES ARE TRANSLATED ELECTRONICALLY IN TERMS OF GLUCOSE CONTENT INDICATED ON A 2 $\frac{1}{2}$ x 2 $\frac{1}{2}$ " METER. THE METER READS 0-350 MG% IN TWO SCALES. PRECISION: $\pm 1\%$ OF FULL SCALE. SENSITIVITY: $\frac{1}{2}$ SCALE DIVISION (1.5 MG%) DISCERNABLE ON LOW SCALE. ENZYMIC REAGENT PACKAGES ARE NOT AVAILABLE. OTHER USES OF THE METER WITHOUT THE SPECIAL ACCESSORIES POSSIBLE AS A COMPARATOR OF RELATIVE FLUID OR TRANSPARENT MATERIALS DENSITY. UNIT INCLUDES INSTRUCTION BOOK AND TEST INFO. POWER REQUIRED: 115 VAC 60 Hz. SIZE: 4x7 $\frac{1}{2}$ x 4 $\frac{1}{2}$; SHPG. WT: 6 LBS. PRICE: UNUSED, \$24.95



MAGNETIC RECORDING TAPE FOR MOST AUDIO TAPE RECORDERS. ON 10 $\frac{1}{2}$ " REELS, 3600 FEET APPROX. $\frac{1}{2}$ " TAPE WIDTH. MADE BY VARIOUS LEADING MANUFACTURERS. SHPG. WT: 3 LBS. USED. #AST3045, \$1.50 EA.; 4 FOR \$5.

COMMAND SETS



R-23/ARC-5 COMMAND SET RECEIVER, 190 TO 550 KHZ. THIS LONG-TIME POPULAR RECEIVER WAS DESIGNED TO BE REMOTELY TUNED BY USING A SPLINE SHAFT AND CONTROL BOX, LISTED BELOW. CONVERSION INFO IN CC SURPLUS CONVERSION MANUAL. WITH TUBES 12A6, 12K8, 12SR7, & 3/12SK7. POWER REQUIRED: 250 VDC 60 MA AND 24 VDC. SIZE: 5x5x11; 15 LBS. USED, \$16.95

R-25/ARC-5, 1.5 TO 3.0 MHZ, UNUSED, \$24.95
R-27 (BC-455), 6.0 TO 9.1 MHZ, RECOND, \$19.95

R-19/ARC AIRCRAFT RECEIVER, 118 TO 148 MHZ CONTINUOUSLY TUNEABLE. NO DIAL; DESIGNED FOR REMOTE TUNING WITH SPLINE SHAFT. 1.F.=15 MHZ; WITH TUBES 9002, 3/9003, 14A7, 2/14R7, 14F7, AND 12A6. USES ACCESSORIES SIMILAR TO ARC-5 SERIES. POWER REQUIRED: 250 VDC 60 MA AND 24 VDC. SIZE: 6x5x11; WT: 13 LBS. USED, \$18.95



OM-32 DYNAMOTOR, 24 VDC F/ARC-5 REC., \$4.95
35X035 DYNAMOTOR, 12 VDC F/ARC-5 REC., \$4.95
115 VAC 60 HZ POWER SUPPLY W/SPEAKER, \$23.00
SPIN TUNING KNOBS FOR ARC-5 RECEIVERS, 2.00
MC-215 FLEXIBLE SPLINE SHAFT, 6 FEET, 1.50

CC SURPLUS CONVERSION HANDBOOK; CONVERSION ON COMMAND SETS, ART-13, BC-348, OTHERS, \$4.50

RT-70/GRC TRANSCEIVER

RT-70/GRC RECEIVER-TRANSMITTER.

47 TO 58.4 MHZ FM VOICE COMMUNICATIONS; CONTINUOUSLY TUNEABLE OR TWO PRESET CHANNELS. DUAL CONVERSION RECEIVER CIRCUIT HAS 15 MHZ 1ST I.F. AND 1.4 MHZ 2ND I.F. WITH SQUELCH AND 600 OHM AUDIO OUTPUT. TRANSMITTER HAS 500 MW OUTPUT AND 150 OHM AUDIO INPUT IMPEDANCE. 19 TUBES. POWER REQUIRED: 90 VDC 80 MA; 6.3 V. 360 MA; AND 6.3 V. 160 MA. SIZE: 4x13x8; SHPG. WT: 22 LBS. USED, \$25.00



AM-65/GRC AUDIO FREQUENCY AMPLIFIER USED WITH THE RT-70 AND FOR INTERPHONE AND MONITORING OF OTHER GRC-TYPE EQUIPMENT. POWER REQUIRED: 135 VDC 35 MA AND 6, 12, OR 24 VDC. SIZE: 4x13x8; SHPG. WT: 20 LBS. USED, \$14.95

PP-282/GRC 24 VDC POWER SUPPLY, USED WITH THE AM-65 AND RT-70. UNIT PLUGS INSIDE THE AM-65 AND PROVIDES ALL THE VOLTAGES FOR BOTH FROM A 24 VDC INPUT. SHPG. WT: 8 LBS. USED, \$5.95

SPECIAL COMBINATION OFFER WHEN THE RT-70, AM-65, AND PP-282 ARE PURCHASED TOGETHER.
PRICE: ALL THREE FOR \$35.00

4-PIN GRC POWER INPUT PLUG, USED, \$2.50
CX-1213 DOGBONE; CONNECTS RT-70/AM-65, \$4.95
H-33/PT HANDSET W/UG-77; FITS RT-70, \$5.95
M-29/U MICROPHONE W/UG-77; FITS RT-70, \$3.95
LS-166/U 4" LOUDSPEAKER, W/UG-77, USED, \$8.95
TECH MANUALS FOR RT-70, \$5.00; AM-65, \$5.00

ANTENNA CHANGEOVER

ANTENNA CHANGEOVER RELAY, 12 VDC SPDT; LOW POWER RECEIVER TYPE. WITH TWO UG-88 BNC'S ON 15" COAX AND ONE UG-447 BNC. CASE GROUND. REMOVED F/EQUIP. #JAMES C-586, \$2.50



ELECTRONIC ANTENNA CHANGEOVER RELAY, 12 VDC; LOW POWER RECEIVER TYPE. WITH FOUR 1N270 DIODES IN THE SWITCHING CIRCUIT. ALSO THREE UG-447 TYPE BNC'S. REMOVED F/EQUIP. WEBCOR #WC-200, \$2.95



CU-308B/U ANTENNA COUPLER; USES CATHODE FOLLOWER TO COUPLE SINGLE ANTENNA WITH THREE RECEIVERS IN THE 2 TO 24 MHZ RANGE. INCLUDES THREE 24 VDC 500 OHM SPST RELAYS, 4/5906 TUBES, AND FOUR BNC CHASSIS CONNECTORS. POWER REQUIRED: 24 VDC 180 MA. 5x5x3; WT: 4 LBS. UNUSED, \$9.95

GYROS & SYNCHROS



TYPE A-4 COMPUTER GUN-BOMB-ROCKET SIGHT, WITH TWO GYROSCOPES—ONE HORIZONTAL AND THE OTHER VERTICAL. SYNCHROS 150LI AND 18DF1 SIGNAL ATTITUDE CHANGE OF THE GYROS. MONITOR INPUTS FOR PITOT AND STATIC WITH MANUAL ADJUST OF THE TRANSDUCER. WITH VARIOUS RELAYS, GEARS, AND OTHER PARTS FOR THE EXPERIMENTER. SIZE: 10x11x8; SHPG. WT: 25 LBS. \$22.95

LAMP POWER SUPPLY

HIGH FREQUENCY LAMP POWER SUPPLY; OUTPUT APPROX. 120 V. 9000 HZ. LIGHTS 40 WATT LAMP. WITH TWO HEAVY DUTY HEATSINKS AND TWO T0-3 TRANSISTORS MOUNTED ON EACH. UNIT IS NOT TRANSFORMER ISOLATED. INPUT: 115 VAC 60 HZ. GE#9T68Y1500-G4. SIZE: 4x8x3; SHPG. WT: 9 LBS. REMOVED F/EQUIPMENT, \$14.95



HIGH VOLTAGE



ACE HIGH VOLTAGE POWER SUPPLY; OUTPUT APPROX. 3000 VDC @ 50 MICRO AMPS. INPUT: 115 VAC 60 HZ. USES TWO 1B3 RECTIFIER TUBE. WITH MOUNTING FLANGE. SIZE: 6x7x2; SHPG. WT: 8 LBS. ACE-HV3000, UNUSED, \$7.95



TEN THOUSAND VOLT DC - DC POWER SUPPLIES. P/O SANDERS VIDEO DISPLAY. NO SPECIFIC DATA OR SCHEMATIC AVAILABLE. MODEL 13904 USES 2/2N3055 TRANSISTORS OR EQUAL. MODEL 11665 USES ONE T0-3 TRANSISTOR. EACH P.S. HAS ADDITIONAL CONTROL CIRCUITRY. SH WT 5LB APPROX SIZE 10x5x6 USED #13904 \$12.95 GOOD EXPERIMENTER ITEM #11665 \$10.95



PRECISION RESISTORS

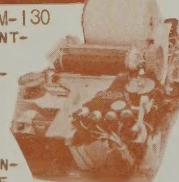
5000 OHMS 1/2 WATT, 0.1%, DAVEN, \$.60 EA.
100K " 0.3 WATT, 0.1%, WIREWOUND, \$.40 EA.
28K " 1/2 WATT, 0.05%, WIREWOUND, \$.40 EA.
55 MEGOHMS, 10 WATT, 1%, DALE WW, \$1.00 EA.

RESISTORS

EMITTER RESISTORS		BLEEDER RESISTORS	
0.5 OHMS	10 WATT, WW	550 OHMS	20 WATT, WW
3.0 " "	" " "	750 " "	" " "
2.0 " "	" " "	700 " "	" " "
70 " "	" " "	3900 " "	25 W, FERRUL
2.43 " "	" " "	1000 " "	25 WATT, WW
24 " "	" " "	15K " "	" " "
70 " "	" " "	15K " "	" " "
100 " "	" " "	100K " "	3 W, CERAMIC
3 OR 5 WATT, \$.20 EA.		10 OR 25 WATT, \$.35	

MATRIX PRINTER

VICTOR COMPTOMETER MODEL 1PM-130 MATRIX PRINTER; USED IN POINT-OF-SALE REGISTER SYSTEMS. UNIT HAS THE FOLLOWING FUNCTIONS: LINE FEED, RETURN, AND CARRIAGE FORWARD. WITH SEVEN PRINT SOLENOIDS. CONTROL ELECTRONICS NOT AVAILABLE; NO COVER. SCHEMATIC INCLUDED. POWER REQUIRED: 115 VAC 60 HZ. 8x10x4; 13 LBS. UNUSED, \$149.50



EP-101 SHINSHU SEIKI DIGITAL PRINTER; 21 COLUMN PRINTER, PRINTS CHARACTERS 0 THRU 9, -, OVERFLOW, PROGRAM, PLUS OTHER SPECIALIZED SYMBOLS. USES 3 1/2" WIDE PAPER; PRINTS 2.8 LINES/SECOND. PARALLEL DATA ENTRY. MOTOR REQUIRES 17 VDC (±3 VDC). SIZE: 4x6x5-3/8; SHPG. WT: 7 LBS. USED, REMOVED FROM EQUIPMENT. GOOD CONDITION, \$15.



ANTI-FIRE ANTI-THEFT

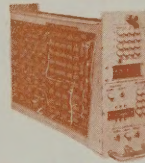


FIRE CHEX AUTOMOTIVE ELECTRICAL SHUT-DOWN DEVICE; DESIGNED TO AUTOMATICALLY DISCONNECT A CAR'S, TRUCK'S, OR BOAT'S ELECTRICAL SYSTEM IN THE EVENT OF A COLLISION AND THUS SUBSTANTIALLY REDUCE THE THREAT OF FIRE IN AN ACCIDENT. BY USING THE INCLUDED 80" SPLINE SHAFT, FIRE CHEX MAY ALSO BE USED AS AN ANTI-THEFT DEVICE. WITH THE ENGAGEMENT OF THE SPLINE LEVER HIDDEN UNDER A DASHBOARD, THE POTENTIAL THIEF COULD NOT START A VEHICLE, EVEN IF HE OR SHE "HOT-WIRED" THE IGNITION. THE ENGINE WOULD NOT TURNOVER UNTIL THE OWNER DISENGAGED THE UNIT. WORKS IN 6, 12, OR 24 VDC SYSTEMS. WITH SPLINE, FUSED LINE, MOUNTING BRACKETS, AND WIRING INSTRUCTIONS. SIZE: 4x4x1; SHPG. WT: 6 LBS. UNUSED, \$9.95

HEATSINKS

9x4x1 1/8" ALUMINUM. DRILLED FOR 3/T0-3. #3T94I UNUSED \$2.75
12x4x1 1/8" ALUMINUM. DRILLED FOR 4/T0-3. #4T124I UNUSED \$3.35
BLACK TAB MTG HEATSINK WITH 2/2N3055 OR EQUAL W/HWR INSULATOR, RESISTORS 4x1 1/8x2 1/4 (4 7/8) TOTAL #HSW/2T REMOVED \$2.00
OTHER HEATSINKS AVAILABLE **** WRITE****

IC'S & SOCKETS



PL-1288/GGA-46 DATA PLUG-IN MODULE WITH OVER 150 SIGNETICS DTL IC'S AND SOCKETS INCLUDING OF AT LEAST A DOZEN EACH OF THE FOLLOWING: SP-301A, -321A, -337A, -380A, -384A, AND -387A GATES. ALSO 9/2N3565 AND 28/2N3643 NPN AND 15/2N5354 PNP SILICON TRANSISTORS. MODULE ALSO HAS 22 MINI-INDICATOR LIGHTS IEE#718 (6 V), A FOUR-PLACE DIGITAL MINI-SWITCH, 3" SPEAKER, PLUS MINI-PUSH AND TOGGLE SWITCHES. SIZE: 15x5x1 1/4; WT: 14 LBS. USED, \$24.95; 55-COND. CONNECTOR, \$3.



100 KHZ CRYSTAL CIRCUIT BOARD, WITH CRYSTALS 100 KHZ (CR-50), 33.36 KHZ, AND 12 KHZ INCLUDING HOLDERS. ALSO SIX 44 MH AND TWO 6 MH POTTED COILS PLUS OTHER REUSABLE PARTS. 6x9x2; 3 LBS. #650784, \$4.95

TWELVE DIGIT FLUORESCENT DISPLAY

#POS2, 3/8" DIGITS WITH CHARACTER 0 THRU 9, -, ., AND DECIMAL POINT. TUBES ABOUT 2" HIGH. ALSO 2/M5812 COUNTER IC'S, 27 TRANSISTORS, AND OTHER PARTS. 9x8x2 1/2, SHPG. WT: 4 LBS. \$8.95



TEXAS INSTRUMENTS

TEXAS INSTRUMENTS SOLID STATE COMPONENTS DATA BOOKS; ESSENTIAL REFERENCE MATERIAL FOR THE DESIGN ENGINEER AND HOBBYIST. 10x7 SOFTBOUND.

THE TTL DATA BOOK, SECOND EDITION; SPECS ON STANDARD AND SCHOTTKY TTL'S, 832 PP. \$4.95
THE OPTOELECTRONICS DATA BOOK (1976); INFO ON 252 OPTO-DEVICES, 368 PP. \$2.95
THE LINEAR CONTROL CIRCUITS DATA BOOK (1976); OP-AMPS INCLDG. JFET-INPUT. 368 PP. \$2.95
THE SEMICONDUCTOR MEMORY BOOK (1975); RAM'S AND ROM'S, 11 MICROPROCESSORS. 272 PP. \$2.95
THE TRANSISTOR AND DIODE DATA BOOK (1973); 800 TRANSISTORS, 500 DIODES. 1248 PP. \$4.95
THE POWER SEMICONDUCTOR DATA BOOK (1972); SCR'S, TRIACS, SOA DESIGNS. 816 PP. \$3.95

UNDERSTANDING SOLID-STATE ELECTRONICS (1972) BY TI; TWELVE LESSON, SELF-TEACHING COURSE FOR THE BEGINNER. 250 PP., 168 ILLUS. \$2.95

INTEL 1976 DATA CATALOG; 4004, 8080A MPU'S, RAM, ROM, ETC. --PINOUTS. 618 PP., \$3.00

MINIMUM ORDER \$5.00

DUAL-TRACE PRICE-CUTS



AN/USM-140C OSCILLOSCOPE, DC TO 30 MHZ MAINFRAME, SIMILAR TO H-P 170A. INCLUDES MX-2930 DUAL-TRACE VERTICAL PLUG-IN WITH DC TO 22 MHZ PASSBAND. INPUT IMPEDANCE: 1 MEG-OHM SHUNTED BY 30 PF. INPUT SENSITIVITY: 0.02 VOLT/CM TO 20 V./CM. FUNCTIONS: CHANNEL

A, CHOPPED, A-B, AND ALTERNATE. HORIZONTAL MX-3078 PLUG-IN SWEEP RATE: 0.1 SEC./CM TO 5 SEC./CM. HORIZ. SENSITIVITY: 0.1 V/CM TO 10 V/CM. MAGNIFIER X1 TO X100 IN SEVEN STEPS. CALIBRATOR: 0.2 MV TO 100 V. IN NINE RANGES. POWER REQUIRED: 115/230 VAC 50-1000 HZ. SIZE: 14x19x22; SHPG. WT: 110 LBS. PRICE: USED, REPARABLE, \$195. CHECKED, \$295.

AN/USM-105A SCOPE WITH DUAL-TRACE PLUG-IN, SAME AS USM-140 EXCEPT DC TO 15 MHZ RESPONSE. PRICE: USED, REPARABLE, \$135. CHECKED, \$195.

HEWLETT-PACKARD

H-P 202A LOW FREQUENCY FUNCTION GENERATOR; TRANSIENT FREE VOLTAGES OVER 0.008 HZ TO 1200 HZ IN FIVE RANGES. SINE, SQUARE, AND TRIANGULAR WAVE FORMS. 20x12x14; SHPG. WT: 50 LBS. PRICE: USED, REPARABLE, \$50. MANUAL, \$7.50



H-P 212A PULSE GENERATOR; PULSE LENGTH VARIABLE FROM 0.07 TO 10 U-SEC; RISE AND DECAY TIME EACH 20 N-SEC. 50 WATTS PEAK OUTPUT. 20x12x14; SHPG. WT: 60 LBS. PRICE: USED, REPARABLE, \$60.00; MANUAL, \$5.



H-P 212A, RACKMOUNT STYLE, USED, REP, \$50.00



H-P 540A TRANSFER OSCILLATOR, 10 MHZ TO 5 GHZ WHEN USED WITH COUNTER IN 100 TO 200 MHZ FREQ. RANGE. USES 2BP1 CRT TO TUNE-IN HARMONIC FREQUENCIES; CRT MAY HAVE TRACE BURNS. RACKMOUNT

LESS COVERS. SIZE: 19x10x14; SHPG. WT: 47 LBS. USED, REPARABLE, \$85.00; MANUAL, \$7.50

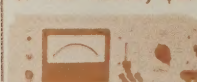


H-P 650A TEST OSCILLATOR, 10 HZ TO 10 MHZ. OUTPUT: 30 U-V TO 3 VOLTS MONITORED ON A 3" METER; ATTENUATION FROM -40 DB TO +10 DB IN 10 DB STEPS. IMPEDANCE: 600 OHMS. 20x10x15; SHPG. WT: 55 LBS. USED, REPARABLE, \$95. MANUAL, \$8.50

H-P 410B VTVM, 1-300 VAC IN SIX RANGES AND 1-1000 VDC IN SEVEN RANGES. 0.2 OHM TO 500 MEG-OHM. FREQ. RANGE: 20 HZ TO 700 MHZ. PRICE: USED, REPARABLE, \$65. CHECKED, \$85.



H-P 410BR, RACKMOUNT VERSION OF THE ABOVE, \$5.00 EXTRA.



H-P 412AR DC VOLTMETER; INDICATES 1 MV TO 1000 VOLTS DC IN 13 RANGES. ALSO 1 U-A TO 1.0 AMP AND 1 OHM TO 100 MEGOHMS. HAS

WIDE, MIRRORED SCALE AND A DESIGNED ACCURACY OF 1% ON THE VOLTS SCALE. RACKMOUNT STYLE. SIZE: 19x 5x7; SHPG. WT: 25 LBS. PRICE: USED, REPARABLE, \$100. CHECKED, \$125.



H-P 412A DC VOLTMETER, CABINET STYLE OF THE "AR". USED, REPARABLE, \$105. CHECKED, \$130.

H-P 430C MICROWAVE POWER METER DESIGNED FOR FREQUENCIES UP TO 40 GHZ, BUT SUITABLE FOR RF MEASUREMENTS AS LOW AS 10 MHZ WITH PROPER BOLOMETER (NOT AVAILABLE). ALLOWS FOR POWER READINGS FROM 0.1 TO 10 MW; -20 TO +10 DBM. SEE APRIL 177

TEKTRONIX CA PLUG-IN



TEKTRONIX TYPE CA DUAL-TRACE PLUG-IN, USED IN TEKTRONIX 530 540, AND 550-SERIES SCOPES AND IN SIMILAR SCOPES BY OTHER MANUFACTURERS. FREQ. RESPONSE: DC TO 24 MHZ; 15 N-SEC RISE-TIME. SHPG. WT: 9 LBS. PRICE: USED, CHECKED, \$130. TEK TYPE 53/54C DUAL-TRACE, OLDER VERSION OF THE CA, USED, CHKD., \$100.

OTHER TEKTRONIX-TYPE OSCILLOSCOPE PLUG-IN VERTICAL AMPS. SOLD IN USED, REPARABLE CONDITION. ADD \$10.00 FOR TEKTRONIX MANUFACTURED UNIT UNLESS OTHERWISE NOTED. TEK TYPE 53/54B, WIDE-BAND, HIGH-GAIN, \$45. TYPE D, HIGH-GAIN, DC DIFFERENTIAL, 40. TYPE E, LOW LEVEL, AC DIFFERENTIAL, 45. TEK TYPE G, WIDE-BAND, DC DIFFERENTIAL, 45. TEK TYPE 53/54K, FAST-RISE, 50. TEK TYPE L, FAST-RISE, HIGH-GAIN, 75. TEK TYPE M, FOUR-TRACE, DC TO 20 MHZ, 175. TEK TYPE O, OPERATIONAL AMP, 175. TEK TYPE P, SAMPLE TEST, 35. TEK TYPE 80, VERT. COUPLING FOR 580's 25. TEK TYPE 81 ADAPTER, ALLOWS USE OF LETTER SERIES PLUG-INS WITH 580 SERIES SCOPES, \$30.

SCOPE CLEARANCE

OSCILLOSCOPE CLEARANCE; EACH SOLD IN USED REPARABLE CONDITION WITH A CRT TRACE. PLUG-IN TYPE SCOPES INCLUDE YOUR CHOICE OF 530, 540 SERIES SCOPES INCLUDE CHOICE OF G, 53/54K, P, OR 80. ADD \$10.00 FOR LAVOIE TYPE L PLUG-IN. QUANTITIES ARE LIMITED.

TEK 5130, DC TO 20 MHZ, 5" CRT, \$125.00
5140, DC TO 10 MHZ, 95.00
5240, TELEVISION SCOPE, DC TO 10 MHZ. SWEEP DELAY, 110.00
524AD, TELEVISION SCOPE, NEWER VERSION W/DELAY, MARKERS, 195.00
532, DC TO 5 MHZ, PLUG-IN TYPE, 195.00
535A, DC TO 15 MHZ, SWEEP DELAY, 295.00
545, DC TO 30 MHZ, SWEEP DELAY, 250.00
PLUG-IN TYPE, SQUARE CORN. CHECKED, 350.00
545A, DC TO 30 MHZ, SWEEP DELAY, 525.00
W/TEK L PLUG-IN, CHECKED, 525.00
555, DC TO 30 MHZ DUAL BEAM SCOPE W/TYPE 21 AND 22 TIME BASES AND POWER SUPPLY; LETTER PLUG-INS IN VERT., \$595.00
RM565, DC TO 10 MHZ DUAL BEAM SCOPE, REQUIRES "2" AND "3" SERIES PLUG-INS IN VERT., 450.00
RM567, DIGITAL READOUT SCOPE W/TYPE 6R1 DISPLAY; REQUIRES TYPE 3S76 AND 3T77 VERT. AMPS (NOT AVAILABLE), 495.00
570 ELECTRON TUBE CURVE TRACER 275.00
R647A, DC TO 100 MHZ; HAS BEEN MODIFIED FOR VERTICAL RUN OF TRACE. WITH 10A2A DUAL TRACE AND 11B1 TIME BASE PLUG-INS; LESS BEZEL, 750.00

HICKOK 1805 SCOPE, SIMILAR TO TEK 535; WITH CHOICE OF PLUG-IN, \$225.00; CHECKED, \$320.00

LAVOIE LA-545 SCOPE, SIMILAR TO TEK 545; W/CHOICE OF PLUG-IN, \$325.00; CHECKED, \$425.00

ANALAB 1100R DUAL CHANNEL SCOPE WITH MODEL 700 PLUG-IN. DC-500 KHz, RACKMOUNT, \$100.00

HEWLETT-PACKARD 120A SCOPE, DC TO 200 KHz, 5" DISPLAY. REPARABLE, \$95.00; CHECKED, \$125

H-P 122A DUAL TRACE SCOPE, DC TO 200 KHz, 5" DISPLAY. REPARABLE, \$150. CHECKED, \$195.

H-P 175A SCOPE, W/1780A HORIZ. AND 1752B HIGH GAIN VERT. AMPS. DC TO 50 MHZ; DUAL TRACE CAPABILITIES. USED, REPARABLE, \$495.00

H-P 185B SAMPLING SCOPE WITH 187B DUAL TRACE VERT. AMP; DC TO 1000 MHZ. REPARABLE, \$495.

DUMONT 401 SCOPE, DC TO 500 KHz, CHKD., \$100.

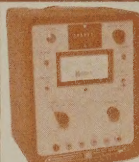
DUMONT 304 SCOPE, DC TO 100 KHz. CHKD., \$85.

GREIBACH INSTRUMENTS

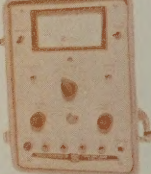
GREIBACH Z300 ZENER IMPEDANCE METER; COVERS THE FOLLOWING VOLTAGE RANGES: 0-40, 40-80, 80-120, 120-160M 160-200, AND 200-240. ZENER WATTAGE RANGE: 0-5, 5-10, AND 10-20 WATTS. FUNCTION SELECTOR/SCALER FOR 1 (x1, x10, x100); 1 (x1, x10) AND Z (x100, x10, x1). INSTRUCTIONS AND SCHEMATIC NOT AVAILABLE. POWER REQUIRED: 115 VAC 60 HZ. SIZE: 7-5/8x10x8; SHPG. WT: 17 LBS. UNUSED, NOT CHECKED, \$45.



GREIBACH INSTRUMENTS MODEL V210 TRANSIENT VOLTAGE INDICATOR WITH SCALES 100 V., 300 V., 1000 V., AND 3000 V. VOLTAGE STANDARD IS SET ON 4" WIDE METER (FS-50 U-A) AND EACH INSTANCE IN WHICH THE STANDARD IS EXCEEDED IS COUNTED A SIX DIGIT COUNTER. INCLUDES HIGH VOLTAGE PROBE. POWER REQUIRED: 115 VAC 60 HZ AND FIVE "D" CELL BATTERIES (NOT INCLUDED). 10x7x8; 14 LBS. PRICE: UNUSED, NOT CHECKED, \$60.



GREIBACH MODEL V200 TRANSIENT VOLTAGE INDICATOR, SIMILAR TO MODEL V210, EXCEPT DOES NOT COUNT TRANSIENT VOLTAGE. IN ALUMINUM TRANSIT CASE W/HIGH VOLTAGE PROBE. POWER REQUIRED: 115 VAC 60 HZ AND FIVE "D" CELLS (NOT INCLUDED). SIZE: 6x9x5; 11 LBS. UNUSED, \$35.



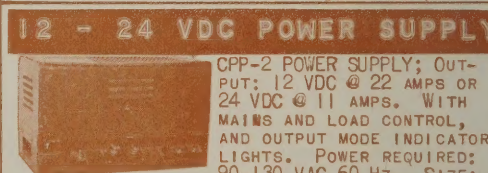
D C MOTORS



LOW SPEED DC GEAR MOTOR 5.5 RPM @ 35 VDC 200 MA. STARTS TO RUN AT 10 VDC. MOUNTED ON FRAME WITH POTENTIOMETER. CAN BE REMOVED. SIZE, MOTOR 4x1 1/2, SH WT. 3 LBS USED EXC \$8.95

POWERFUL SEVEN POLE 12 VDC MOTOR EXCELLENT FOR MODEL TRAINS OR BOATS. 1 1/2 IN LONG; 13/16 DIA. SINGLE ENDED 1/4 IN, 5/64 DIA SHAFT. ORIGINALLY PART OF TAPE DECK. WITH INSTRUCTIONS TO REMOVE CASSETTE DRIVE HUB. VERY LOW CURRENT REQUIRED. UNUSED \$7.95EA

POWER SUPPLY REGULATOR SECTION, USES LM305H REGULATOR IC, 2N3789, 3/2N3055, SCR 2N3668, EMITTER RESISTORS, FUSE HOLDERS, OTHER PARTS ON ALUMINUM BRACKET WHICH SERVES AS THE HEATSINK. APPROX 9x12x3 #LEETREG \$2.50



11x18x10 1/2; SHPG. WT: 90 LBS. USED, \$65.00

12 - 24 VDC POWER SUPPLY

CPP-2 POWER SUPPLY; OUTPUT: 12 VDC @ 22 AMPS OR 24 VDC @ 11 AMPS. WITH MAINS AND LOAD CONTROL, AND OUTPUT MODE INDICATOR LIGHTS. POWER REQUIRED: 90-130 VAC 60 HZ. SIZE: 11x18x10 1/2; SHPG. WT: 90 LBS. USED, \$65.00

500 MHZ TRANSMITTING TUBE 8012-A TRIODE

DIRECT WIRE FILAMENT: 6.3 V. 1.92 AMPS. MAX. PLATE: 1000 V. 80 MA. 40 W. CAP: G-F 2.7; P-F 0.4; G-P 2.5 MU 18; GRID CURRENT 20 MA

CLASS "C" TELEGRAPHY 35 W W/DATA, UNUSED, \$2.00 EA. 4 FOR \$6.

TEK & H-P MANUALS

TECH MANUALS FOR THE FOLLOWING TEKTRONIX AND HEWLETT-PACKARD TEST EQUIPMENT:

TEK 53/54D	\$5.00	TEK 132	\$5.00
G	5.00	453	12.50
H	5.00	454	12.50
53/54K	5.00		
W	7.50	H-P 175A	10.00
1A2	7.50	202A	7.50
1A4	8.50	212A	5.00
1A5	7.50	410B	8.50
82	8.50	522B	8.50
130	5.00	540A	7.50
131	5.00	650A	8.50

MINIMUM ORDER \$5.00

TRANSMITTING CAPACITORS

MICA TRANSMITTING CAPACITORS, G-SERIES TYPE IN USED OR UNUSED CONDITION DEPENDING UPON A VALUE'S AVAILABILITY. VARIOUS MANUFACTURERS. SATISFACTION GUARANTEED OR PURCHASE PRICE WILL BE REFUNDED. OTHER VALUES IN STOCK. WRITE.



TYPE	KV	MFD	KV	MFD
G1, 2 1/2" H x 2 1/2" DIA., WT: 3 LBS.				\$12.50
1.0	0.04	6.0	0.0001	
1.5	0.08	6.0	0.00024	
3.0	0.02	6.0	0.0006	
4.0	0.0062	6.0	0.003	
5.0	0.00015	6.0	0.0047	
5.0	0.01	10.0	0.00015	

G2, 3 1/2" H x 3" DIA., WT: 5 LBS.				\$18.50
2.0	0.03	10.0	0.00027	
2.0	0.045	10.0	0.00057	
8.0	0.003	10.0	0.001	
10.0	0.00015	15.0	0.0002	
10.0	0.0002	20.0	0.00005	

G3, 3" H x 4" DIA., WT: 8 LBS.				\$27.50
2.5	0.15	14.0	0.002	
5.0	0.02	15.0	0.0012	
6.0	0.006	20.0	0.000051	
8.0	0.005	20.0	0.00015	
10.0	0.0051	20.0	0.0012	

G4, 5" H x 5 1/2" DIA., WT: 12 LBS.				\$39.50
4.0	0.084	10.0	0.02	
4.0	0.01	12.0	0.008	
6.0	0.024	15.0	0.004	
6.0	0.0373	15.0	0.01	
8.0	0.012	20.0	0.002	
10.0	0.01	25.0	0.0025	

G5, 6 1/2" H x 10" DIA., WT: 22 LBS.				\$59.50
10.0	0.02	25.0	0.0051	
15.0	0.0068	30.0	0.0027	
15.0	0.0082	35.0	0.0003	
15.0	0.01	35.0	0.00039	
25.0	0.003	35.0	0.00082	
25.0	0.004	35.0	0.0015	

COMPUTER GRADE CAPS

COMPUTER GRADE CAPACITORS, UNUSED OR REMOVED FROM UNUSED EQUIPMENT.

73000UF 15v	3x4 1/2	SPRAGUE	\$3.00
51000 40	3x4 1/2	SPRAGUE	4.50
40000 20	2 1/2x4 1/2	GE	2.75
13000 75	2 1/2x4 1/2	GE 95V SURGE	4.00
13000 15	1 1/2x4 1/2	SPRAGUE	1.50
9400 40	1 1/2x4 1/2	SANGAMO	2.25
340 250	1 1/2x3 1/2	GE	3.50

MULTIPLE SECTION ELECTROLYTIC
100UF 350V/40UF 300V, MALLORY TAB MTG
SIZE 1 1/2x3 1/2 STYLE F* \$1.00

60UF 450V/30UF 450V/30UF 450V, C-D OCTAL \$1.

80, 40, 20UF 150V 1x3 PAPER TUBULAR	59¢
150UF 200 VDC, 1 1/2x3 1/2 PAPER TUBULAR	59¢
250UF 50V 1 1/2x3 GE TANTALUM	85¢
1500UF 70V 1 1/2x2 1/2 STM PAPER TUBULAR	79¢
140UF 300V 1x4 CTW PAPER TUBULAR	89¢
47UF 20V 1 1/2x2 KEMET TANTALUM	65¢
40UF 450V 1x2 1/2 MALLORY PAPER TUBULAR	89¢
450UF 25V 5/8x1 1/2 5/8 CULLINS AXIAL	75¢
.022 200V 1 1/2x 5/8 SPRAGUE 10%	20¢
10UF 25V 1 1/2x2 TEMPLE	30¢
1.5PF CERAMIC FEEDTHRU 1/4 INCH	6/\$1.00

GENERAL ELECTRIC A C CAPACITORS UNUSED	
0.5 UF 660V 60HZ 45F600.5	\$1.00
8.0 UF 660V 60HZ 49F1311	2.00
10.0 UF 660V 60HZ 49F1692	2.50

VARIABLE CAPACITORS



TRANSMITTING VARIABLE CAPACITOR, DUAL SECTION; 57-196 MMF SECT. PARALLEL, 20-60 MMF SMALLER SECTION.

9000 VOLTS PEAK; 19 PLATES WITH 0.25" AIR GAP
SIZE: 4 1/2x3 1/2x12, 1/2" DIA. SHAFT; SHPG. WT: 12 LBS. #309196, UNUSED, \$16.95

JOHNSON #189-6-6; 1.8 TO 13 PF; 650 V.
SIZE: 7/16x7/16x9/16; UNUSED, \$.89 EACH
JOHNSON #12-16; 1.9 TO 15.7 PF; 325 V.
SIZE: 5/16" DIA. x 9/16"; UNUSED, \$.89

DIFFERENTIAL VARIABLE CAPACITOR,
7-75 PF EACH SIDE; 21 PLATES, .003"
AIR GAP. 1/2" DIA. x 5/8" SHAFT; 1x1 1/2
x1 1/2 OVERALL. #309075V-37, UNUSED, \$1.95 EA.



0-120 VOLTS 8.3 AMPS



LUXITROL 1000R VARIABLE TRANSFORMER; OUTPUT: 0-120 V. 8.3 AMPS. INPUT: 115 VAC 60 HZ. MOUNTED IN STEEL CASE. SIZE: 7-5/8x7-5/8x5 1/2; SHPG. WT: 20 LBS. PRICE: USED, \$27.95

VARIABLE TRANSFORMERS; 115 VAC 60 HZ. USED.

VARIAC TYPE 200B; 0-135 V. @ 1 AMP, \$8.95

POWERSTAT TYPE 10B; 0-132 V. 2.25 A., \$11.95

POWERSTAT TYPE 21; 0-140 V. 4.5 AMPS, \$19.95

VARIAC TYPE V-20; 0-135 V. 20 AMPS, \$45.00

POWERSTAT 1156-C; 0-140 V. 45 A. UNUSED, \$125

VARIABLE TRANSFORMER KNOBS,

- (1) 2-3/8" DIA. WITH 3/8" POINTER; BRASS INSERT F/3/8" SHAFT. LUXITROL, \$1.50
- (2) 3" DIA., F/3/8" SHAFT, POWERSTAT, \$2.50
- (3) 4" DIA., F/1/2" SHAFT, POWERSTAT, \$3.25
- (4) 5" DIA., F/1/2" SHAFT, GENERAL RADIO, \$4.50
- (5) 7 1/2" DIA. WHEEL-TYPE VAR. TRANSFORMER CONTROL WITH ALUMINUM POINTER; FITS ON 1/2" SHAFT. POWERSTAT, \$5.95

DIAL PLATES FOR VARIABLE TRANSFORMERS.



POWERSTAT #BP8087; 4" DIA. 0-100 SCALE; 7/8" DIA. CENTER HOLE; TAKES THREE SCREWS, \$1. POWERSTAT 5 1/2" DIA.; 5 1/2" DIA. 0-100 SCALE; 3" DIA. CENTER HOLE; TAKES 3 SCREWS, \$1.25 POWERSTAT #BP653; 10" DIA. 0-100 SCALE; 1 1/2" DIA. CENTER HOLE; TAKES 4 SCREWS, \$2.50

TRANSFORMERS

TRANSFORMERS; OPEN FRAME TYPE WITH 115 VAC 60 HZ PRIMARIES. UNUSED.

SEC: 6.3 V. 500 MA; 2-3/8x1 1/2x1-3/8 SHPG. WT: 2 LBS. #1626-K2, \$1.25

SEC: 13 V. @ 1.5 AMPS; SIZE: 3 1/2x1 1/2x2, SHPG. WT: 2 LBS. #ED1-0-2, \$2.25

SEC: 24 V. @ 1 AMP AC; SIZE: 3 1/2x1-5/8x2, SHPG. WT: 3 LBS. #PC-977, \$2.95

SEC: 12.5 V. 2 AMP & 150 V. 2 AMP; SIZE: 4 1/2x3 1/2x4 1/2, SHPG. WT: 13 LBS. #773605, \$6.95

SEC: 12 V. 9 AMPS; 44 V. 2.5 AMPS; 12.9 V. 2 AMPS; 12.9 V. 3.2 AMPS. SIZE: 5 1/2x4 1/2x4 1/2; SHPG. WT: 22 LBS. #P601719, \$12.95

HIGH VOLTAGE TRANSFORMER; SEC: 1800 VCT @ 580 MA; BELL END COVERS. SIZE: 5 1/2x4 1/2x6; SHPG. WT: 25 LBS. #P-100-9, \$22.95

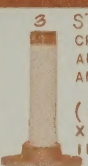
SEC: 15 V. 3 AMPS; 13 V. 2 AMPS; 6.3 V. 7 AMPS; WITH 2 MFD. 660 VAC REGULATOR CAPACITOR. SIZE: 4 1/2x3 1/2x3 1/2; SHPG. WT: 13 LBS. PRICE: #PV-175-9, \$5.95

STEP-DOWN/STEP-UP TRANSFORMER; PRI: 208/240/416/440 VAC 50-60 HZ SEC: 74/96/120 VAC 60 HZ. SIZE: 6x6x7 1/2; SHPG. WT: 42 LBS. PRICE: #M93-104, UNUSED, \$25.00

PRI: 115 VAC 60 HZ; SEC: 40 V. 5.0 AMPS. SIZE: 5 1/2x5 1/2x4 1/2; SHPG. WT: 18 LBS. #25D84455DC1, \$7.95

PRI: 105/115/125 VAC 60 HZ. SEC: 460 VCT 255 MA; 5 VCT 3 AMPS; AND 12.6 VCT 3 AMPS. SIZE: 6 1/2x4 1/2x4 1/2; SHPG. WT: 16 LBS. #HE 131P PRICE: USED, \$5.95

STAND-OFF'S



STAND-OFF INSULATORS, CROWS FEET TYPE. BRASS AND PLATED BRASS BASES AND TERMINAL CAPS.

(1) #B-H3-1.25-ST3; 3" H x 1 1/2" DIA. THREE TERMINAL CAP SIZE: 7/8" H x 1-5/8" DIA. MOUNTING HOLE CENTERS: 2 1/2" APART. BROWN CERAMIC. SHPG. WT: 2 LBS. \$2.75

(2) #B-H4-D1.25-ST2; SIZE: 4" H x 1 1/2" DIA. TWO TERMINAL CAP SIZE: 1" H x 1-5/8" DIA. MTG. HOLE CTRS.: 2 1/2" APART. WHITE CERAMIC. SHPG. WT: 3 LBS. \$3.25

(3) #XW-H5-D1-ST; SIZE: 5" H x 1" DIA. SINGLE TERM. CAP: 1/2" H x 1" DIA. MTG. HOLE CTRS.: 2 1/2" APART. WHITE CERAMIC: 2 LBS. \$3.50

(4) #W-H5-D1.25-ST; SIZE: 5" H x 1 1/2" DIA. SINGLE TERM. CAP: 3/8" H x 1 1/2" DIA. MTG. HOLE CTRS.: 2-5/8" APART. WHITE CERAMIC. WT: 3 LBS. \$3.75

(5) #B-H5-D1.25-CT; SIZE: 5" H x 1 1/2" DIA. CLAMP TOP SIZE: 1" H x 1-5/8" DIA. MTG. HOLE CTRS.: 2 1/2" APART. WHITE CERAMIC. WT: 2 LBS. \$4.00

(6) #BL-H6-D1.25-ST2; SIZE: 6" H x 1 1/2" DIA. TWO TERM. CAP: 1 1/2" H x 1 1/2" DIA. MTG. HOLE CTRS.: 2-5/8" APART. BRASS PAINTED BLACK; WHITE CERAMIC. SHPG. WT: 4 LBS. \$4.25

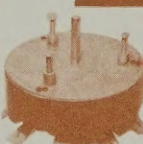
(7) #W-H6-D1.75-NTH; SIZE: 6" H x 1 1/2" DIA. NO CAP, BUT THREADED TERM. MTG. HOLE CTRS.: 3 1/2" APART. WHITE CERAMIC. SHPG. WT: 5 LBS. \$4.50

(8) #B-H7-D1.25-ST; SIZE: 7" H x 1 1/2" DIA. SINGLE TERM. CAP: 5/8" H x 1-5/8" DIA. MTG. HOLE CTRS.: 2 1/2" APART. BROWN CERAMIC. SHPG. WT: 3 LBS. \$4.75

(9) #W-H8-D1.75-NTH; SIZE: 8" H x 1 1/2" DIA. NO CAP, BUT THREADED TERM. MTG. HOLE CTRS.: 3 1/2" APART. WHITE CERAMIC. 6 LBS. \$5.50

PORCELAIN STAND-OFF INSULATORS; SCREW THREAD. #P-4H.75D; 4" H x 1 1/2" DIA., 8-24 THREADS, \$.50 #P-5H1D; 5" H x 1" DIA., 8-24 THREADS, \$.65 #P-6.75H1D; 6 1/2" H x 1" DIA., 10-24 THRD, \$.85

TAP SWITCHES



OHMITE MODEL 608-6 HEAVY DUTY TAP SWITCH, 300 VAC 100 AMP RATING; SIX TAPS WITH 200 FULL ROTATION. 6" DIA. x 3-3/8" H; SHAFT 3/8" DIA. x 2". LESS KNOB, \$8.95 MODEL 608-4 TANDEM, SIMILAR, BUT TWO DECKS, FOUR TAPS EACH, 7" L. 12 LBS. USED, LESS KNOB, \$14.95

OHMITE MODEL 212-12 TAP SWITCH; 150 VAC 20 AMP RATING. TWELVE TAPS WITH 330 TOTAL ROTATION. SIZE: 2 1/2" DIA. x 1 1/2"; SHAFT 1/2" DIA. x 1 1/2"; SHPG. WT: 2 LBS. LESS KNOB, \$2.95

OTHER OHMITE SWITCHES AVAILABLE. WRITE.



TAP SWITCHES, 120/240 VAC 10/5 AMP UNLESS OTHERWISE NOTED. 2 1/2" DIA. SHPG. WT: 1 LB. USED.

#AHH-23-10; TWO DECK, THREE POSITION. WITH KNOB, \$1.95

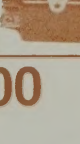
#AHH-230; 2-DECK, 3-POS. AND OFF; CONT. TURN. 15/10 AMP. L/KNOB, SHFT 3/16" D. x 1/2", \$2.25

#LOV-230; LIKE AHH-230, BUT SHFT 1 1/2" L. \$2.50

#AHH-33-10; 3-DECK, 3-POS., w/KNOB, \$2.75

#LOV-330; SAME AS LOV-230, BUT 3-DECK, \$2.95

#AHH-63-10; 6-DECK, 3-POS., w/KNOB, \$3.95



AHH-2W-3W TAP SWITCH; 3-POSITION WITH OFF. TWO-WIRE RATING: 120/240 VAC 30/15 AMP; THREE-WIRE: 15/15 AMPS. CASE SIZE: 1-7/8x1 1/2x1 1/2. WT: 1 LB. USED, WITH KNOB, \$2.95

MINIMUM ORDER \$5.00

R-388/URR RECEIVER



R-388/URR RECEIVER, 0.5 to 30.5 MHz IN THIRTY BANDS, 1 MHz PER BAND. WITH WIDE 6" LINEAR SCALE ALLOWING FOR TUNING OF AM SIGNALS IN MEGACYCLES OR IN KILOCYCLES. FEATURES FIVE STEP CRYSTAL SELECTIVITY, A CALIBRATED "S" METER, AND CONTROLS FOR CRYSTAL PHASING, BFO CRYSTAL CALIBRATOR, AVC NOISE LIMITER, AND ANTENNA TUNING. DESIGNED FREQUENCY STABILITY WITHIN 300 HZ. AUDIO OUTPUT: 1.5 WATTS INTO 4 OR 600 OHMS. POWER REQUIRED: 115/230 VAC 50-60 HZ. SIZE: 10x19x13; SHPG. WT: 55 LBS. PRICE: USED, REPARABLE \$350. CHECKED, \$400. MANUAL FOR R-388 RECEIVER, REPRODUCTION, \$10.

R-274/FRR RECEIVER, 0.54 to 54 MHz IN SIX BANDS; 115 VAC 60 HZ. USED, REPARABLE, \$275.

R-1279C/URR RECEIVER; 30-300 MHz AM-FM IN TWO BANDS; TRANSISTORIZED. WITH SM-9310A SIGNAL MONITOR AND CV-1750 FREQUENCY CONVERTER (235-500) AND (490-1000) MHz. USED, REP., \$595.00

HAMMARLUND SP-600-JX RECEIVER, 0.54 to 54 MHz AM, CW IN SIX BANDS; BFO. USED, CHKD., \$350.

RCA CR-91A RECEIVER, 0.74 to 30.4 MHz IN SIX BANDS; BFO. RECONDITIONED, CHECKED, \$295.00

SSB CONVERTER

CV-157/URR SINGLE SIDEBAND CONVERTER FOR USE WITH THE R-390A OR EQUIVALENT RECEIVER. ALLOWS FOR RECEPTION OF SSB SIGNALS OCCUPYING 12 KHZ OF RF SPECTRUM DIVIDED INTO TWO 6 KHZ SIDEBANDS ON BOTH SIDES OF A REDUCED CARRIER OR AM OR PHASE MODULATED DOUBLE SIDEBAND SIGNAL. CONVERTER WILL HANDLE 12 RADIO TELETYPE CHANNELS; OR SIX RADIO TELETYPE CHANNELS AND SIMULTANEOUS VOICE CHANNEL; OR TWO VOICE OR TWO FACSIMILE CHANNELS. INPUT FREQUENCY: 450-510 KHZ. CONVERTER IF CENTER FREQ: 100 KHZ. POWER REQUIRED: 115 VAC 50-60 HZ. SIZE: 15x19x15; SHPG. WT: 175 LBS. USED, EXCELLENT, NOT CHECKED, \$150.



FREQUENCY SHIFT CONTROL



C-975/FRR-33 RECEIVER CONTROL; PROVIDES AUTOMATIC FREQUENCY CONTROL OF AUDIO FREQUENCIES USED IN FSK SYSTEMS WITH 850 KHZ SHIFT USING TWO

RECEIVERS WITH IF'S OF 455 KHZ. DISCRIMINATOR DETECTS FREQUENCY DRIFT AND A CORRECTION VOLTAGE IS FED TO THE BFO. CONTROLS FOR TWO CHANNELS, AFC THRESHOLD, DISCRIMINATOR FREQ., AFC DISCHARGE, AND KC CORRECTION METER. WITH TUBES 2/22D1, 5/6B6, 2/6AK5, 2/6C4, 6J4, 9/6BH6, 3A4, 2/2625, 6/12AU7, 12AX7, 2/5651, AND 6082. POWER REQUIRED: 115/230 VAC 50-60 HZ. 19x8x16; 60 LBS. UNUSED, W/SCHEM., \$60.

C-974/FRR-33 SELECTOR CONTROL, ORIGINALLY USED TO

CONTROL TUNING AND SWITCHING CIRCUITS IN CU-286 ANTENNA COUPLER (NOT AVAILABLE) AND TUNING AND RF CIRCUITS IN TWO R-391 RECEIVERS (NOT AVAILABLE). TONE IMPULSES TO OPERATE THE SELECTOR CONTROL CAN BE GENERATED FROM THE FRONT PANEL OR REMOTELY FROM THE C-973. 1105 HZ TONE PULSES REQUIRE 600 OHM BALANCED LINE AND ACTUATE STEPPING SWITCHES AND RELAYS. FOURTEEN FUNCTIONS CAN BE CONTROLLED. SENSITIVITY: -30 DBM. WITH 5Y3, 2/6AU6, 6AK6, 6C4, 12AX7, 5651, AND 6082 TUBES. POWER REQUIRED: 115/230 VAC 50-60 HZ. SIZE: 19x8x16; SHPG. WT: 60 LBS. PRICE: UNUSED, W/SCHEMATIC, \$39.50

C-973/FRR-33 REMOTE SWITCHING CONTROL, SUPPLIES 1105 HZ TONES FOR THE CONTROL OF THE C-974 FROM A REMOTE LOCATION. OUTPUT LEVEL: +10 to +10 DBM. WITH TUBES: 5Y3, 3/6AK6, 6AU6, 5651, AND 6082. POWER REQUIRED: 115/230 VAC 50-60 HZ. SIZE: 12x8x10; SHPG. WT: 30 LBS. UNUSED, WITH SCHEMATIC, \$18.95

BC-348 RECEIVERS



BC-348 RECEIVER, 200 to 500 KHZ AND 1.5 to 18 MHz AM AND CW IN SIX BANDS. FEATURES CRYSTAL FILTER, MANUAL AND AUTOMATIC VOLUME CONTROL, AND BFO. INTERMEDIATE FREQUENCY: 915 KHZ; OUTPUT IMPEDANCE: 300 OR 4000 OHMS. "Q" OR "R" MODELS SHIPPED ACCORDING TO AVAILABILITY. TUBE LINE-UP VARIES AMONG MODELS. SOLD LESS THE DYNAMOTOR POWER REQUIRED: 220 VDC 70 MA AND 24 VDC. SIZE: 18x10x9; SHPG. WT: 44 LBS. PRICE: USED, REPARABLE, \$69.50; CHECKED, \$95. GOVT RECONDITIONED, CHECKED, \$110. DM-28 DYNAMOTOR, 28 VDC 2 AMPS, USED, \$8.95 115 VAC 60 HZ POWER SUPPLY W/SPEAKER, \$23.00 FT-154 SHOCK MOUNTING, 2.75 PL-103 CONNECTOR PLUG F/REAR OF REC., 2.50 MANUAL FOR BC-348-Q OR -R, REPRODUCTION, \$10.

VOLTMETER-RECEIVER

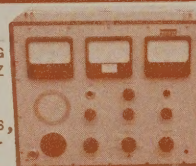
RYCOM 2174 FREQUENCY SELECTIVE VOLTMETER, COVERS 0 to 420 KHZ IN SIX BANDS. USED AS LOW FREQUENCY RECEIVER BY GOVERNMENT.

SELECTIVE BANDWIDTH: 100 HZ, 3 KHZ, 10 KHZ. SENSITIVITY: .0003 V-RMS @ -70 DB TO 30 V-RMS @ -30 DB. WITH MONITOR SELECTION FOR AM, LSB, USB, BFO 1, & BFO 2 SIGNALS. CONTROL FOR BALANCED OR UNBALANCED LINE OF 135 OHM, 600 OHM, OR BRIDGE TYPE. INCLUDES BUILT-IN SPEAKER AND HEADPHONE JACK. POWER REQUIRED: 115 VAC 60 HZ. SIZE: 9x19x7; SHPG. WT: 25 LBS. PRICE: USED, REPARABLE, \$95. CHECKED, \$125.



HETERODYNE VOLTMETER

BRUEL & KJAER HETERODYNE VOLTMETER TYPE 2005; DESIGNED FOR MANUAL PLOTTING OF RF SPECTRUM FROM 20 KHZ TO 30 MHz IN FOUR BANDS. ALSO USED IN MEASUREMENT OF RF RADIATION, HARMONICS, ETC. VOLTAGE RANGE: 15 uVOLTS TO 150 mVOLTS; INTERMEDIATE FREQUENCY: 1650 KHZ. UNIT ORIGINALLY USED A SPECIAL HIGH IMPEDANCE INPUT PROBE (NOT AVAILABLE), THAT IS NOT NECESSARY FOR OPERATION. A REPLACEMENT PROBE COULD BE MADE AND THE PROBE'S CONNECTOR MODIFIED FOR STANDARD FITTINGS. THREE 4x4 METERS INDICATE FREQUENCY, RF, AND MODULATION, RESPECTIVELY; BUILT-IN SPEAKER. MADE IN DENMARK. WITH TUBES: ECH21, 4/EF42, ECC81 (12AT7), ECC82 (12AU7), EZ90, AND 2/0B2. POWER REQUIRED: 115, 127, 150, 220, OR 240 VAC 40-400 HZ. SIZE: 16x20x11; 50 LBS. USED, REPARABLE, W/SCHEMATIC, \$129.95



ART-13 TRANSMITTER



T-47/ART-13 TRANSMITTER; THIS WELL-KNOWN UNIT HAS AN UPPER FREQUENCY RANGE FROM 2000 to 18,000 KHZ. TRANSMISSION AT LOWER FREQUENCIES FROM 200 KHZ POSSIBLE WHEN THE PROPER OSCILLATOR AND LOADING COIL ARE USED (PRICED SEPARATELY BELOW). AUTO- OR MANUALLY TUNED. TRANSMITS CW, MCW, AND AM VOICE; 90 WATTS POWER OUTPUT. CONVERSION INFO IN CO SURPLUS CONVERSION HANDBOOK. WITH TUBES: 2/811, 813, 837, 2/1625, 12SJ7, 12SA7, 2/12SL7, AND 2/6V6. POWER REQUIRED: 28 VDC 10 AMP; 400 VDC 225 MA, AND 1250 VDC 250 MA. 23x16x11; WT: 70 LBS. USED, \$49.50

28 VDC DYNAMOTOR FOR ART-13, USED, \$14.95 CONNECTOR PLUGS FOR ART-13: U-7 AND U-8 FOR XMITTER; U-9 AND U-10 F/DYNAMOTOR, \$2.50 EA. O-16/ART-13 LOW FREQUENCY OSCILLATOR, 200 to 500 KHZ OR 600 to 1500 KHZ, USED, \$17.95 O-17/ART-13 OSCILLATOR, 200 to 600 KHZ, \$9.95 CU-25/ART-13 ANTENNA LOADING COIL FOR USE WITH THE O-17/ART-13 OSCILLATOR, USED, \$5.95

ARC-39 RECEIVER-XMITTER



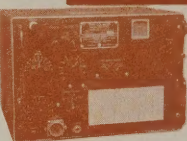
RT-427/ARC-39 RECEIVER-TRANSMITTER, REPLACES COMMAND SETS; COVERS 2.0 to 9.1 MHz IN TWO BANDS; SIX CRYSTAL-CONTROLLED FREQUENCIES PER BAND. RF OUTPUT: 10 WATTS MIN. INTO 10 OHM LOAD (100 PF). 100% AMPLITUDE MODULATION; AUDIO OUTPUT: 200 MW WITH 1000 UV 30% MODULATED INPUT; 800 MW MAX. BANDWIDTH: 8 KHZ @ 6 DB DOWN. METER INDICATES RELATIVE RF OUTPUT TO THE ANTENNA. WITH TUBES 0B2, 2/12AT7, 4/5749, 5750, 3/5686, 4/5814, & 3/6159. POWER REQUIRED: 28 VDC 4.4 AMPS WHEN RECEIVING; 8.5 AMPS TRANSMITTING. SIZE: 7x10x21; SHPG. WT: 42 LBS. PRICE: USED, COMPLETE, \$49.50 MANUAL FOR RT-427/ARC-39, REPRODUCTION, \$10.

RT-594/ARC-38A SSB TRANSCEIVER, 2.0 to 25.0 MHz; 100 WATTS OUTPUT. VFO AND AUTOTUNE CONTROL. MORE INFO IN CATALOG WS-77. USED, \$135.

RT-311/ARC-38 TRANSCEIVER; SAME AS ARC-38A EXCEPT WITHOUT SSB. USED, \$75.00

AN/ARR-46 TRANSISTORIZED FM RECEIVER, 24.0 to 51.9 MHz IN DIGITALLY-TUNED 100 KHZ STEPS. VOLUME AND SQUELCH CONTROL; SHOCKMOUNT. REQUIRES 24 VDC. 5x6x8; 14 LBS. \$75.00

TCS RECEIVER



NAVY TCS RECEIVER COVERS 1.5 to 12 MHz AM IN THREE BANDS; CONTINUOUS TUNING OR FOUR CRYSTAL-CONTROLLED CHANNELS. AUDIO OUTPUT: 1.5 MW INTO 500 OHM LOAD. WITH TUBES 2/12A6, 12SA7, 3/12SK7, AND 12SQ7. POWER REQUIRED: 220 VDC 100 MA AND 24 VDC. SIZE: 11x11x13; SHPG. WT: 42 LBS. NET: 37 LBS. PRICE: USED, REPARABLE, \$19.95

115 VAC 60 HZ POWER SUPPLY WITH SPEAKER FOR TCS RECEIVER; OUR CONSTRUCTION, \$25.00

12 VDC DYNAMOTOR FOR TCS RECEIVER, \$14.95

REMOTE CONTROL BOX W/SPEAKER, USED, \$9.95

NOISE LIMITER CONVERSION KIT F/RECEIVER, \$3.

CABLE, RECEIVER TO DYNAMOTOR, \$2.75

CONNECTOR PLUGS FOR REC. OR DYNAMTR, \$2.00 EA MOUNTING BASE WITH SHOCK MOUNTS, \$4.75

TRANSISTORIZED RECEIVER

R-962/ARR-52 VHF RECEIVER, 162.5 to 173.5 MHz IN 16 CRYSTAL-CONTROLLED CHANNELS. DOUBLE CONVERSION, SUPER-HETERODYNE UNIT DETECTS AM, FM, AND VIDEO SIGNALS. CONSISTS OF FIVE PLUG-IN MODULES USING PRINTED CIRCUITS; NO TUBES. CONVERSION POSSIBLE FOR TWO METERS.

VHF WEATHER, SATELLITE TV, ETC. (SEE OCT. '74 CO MAG FOR DETAILS). POWER REQUIRED: 18 VDC. SIZE: 7x8 2x10; SHPG. WT: 9 LBS. PRICE: USED, \$19.95



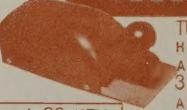
ARC-2 TRANSCEIVER



RT-91/ARC-2 RECEIVER-TRANSMITTER; 2 to 9.5 MHz VOICE CW, AND MCW IN FOUR BANDS. TRANSMITS ON EIGHT PRESET CHANNELS, MANUALLY OR AUTOTUNED. POWER OUTPUT: 17-30 WATTS; USES 4/1625 TUBES.

POWER REQUIRED: 26.5 VDC 20 AMPS. SIZE: 7x8 15x21; SHPG. WT: 70 LBS. USED, \$50.00

TELEGRAPH KEY



TELEGRAPH KEY AND PLUG ASSY., HAS HEMISPHERIC KEYSER BUTTON AND ADJUSTABLE CONTACTS. ALSO 3' CORD W/PL-55 PLUG, A COVER AND CANVAS MOUNTING STRAPS. SIZE: 2x5x1; WT: 2 LBS. #106-5854, UNUSED, \$4.95

J-38 KEY USED, \$7.95